

Customer No.: 31561  
Application No.: 10/709,715  
Docket No.: 11586-US-PA

### REMARKS

#### Present Status of the Application

The Office Action rejected claims 1-7 under 35 U.S.C. 102(b) as being anticipated by Kim (US 2001/0015716).

Applicant has proposed claim amendments as provided above without introducing any new matter, and hereby respectfully submits that the amended claims are fully supported by the specification. In order to have the proposed amendments considered, Applicant hereby files a Request for Continued Examination (RCE) and submits the Preliminary Amendment along with said Request. After entry of the foregoing amendments, claims 1-7 remain pending in the present invention. In view of the following discussions, a notice of allowance is respectfully solicited.

#### Discussion of Office Action Rejections under 35 U.S.C. 102

*Claims 1-7 are rejected under 35 U.S.C. 102(b) as being anticipated by Kim (US 2001/0015716).*

To response the rejection, applicant has amended claims 1, and 5.

Amended claim 1 of the present invention now recites "(...) driving a first pixel in one of the pixel set and another pixel in an adjacent column of the first pixel by the gate line, wherein a phase of a voltage of a pixel electrode of the first pixel and a phase of a voltage of a pixel electrode of the another pixel are substantially different, and the first pixel and the another pixel are respectively in different rows of the pixel array".

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Regarding claim 1 of the present invention, another pixel is in the adjacent column of the first pixel, and the first pixel and another pixel are respectively in different rows of the pixel array. In the claim 1, the phase of the pixel electrode of the first pixel and the phase of the pixel electrode of another pixel are different, but **the first pixel and another pixel are both driven by the gate line**. It can be observed from Fig. 3 of the present invention, the pixel 340 is analogous to the first pixel of the claim 1 and the pixel 356 is analogous to another pixel of the claim 1. In Fig. 3, the pixel 356 is in the adjacent column of the pixel 340, and the pixel 340 and the 356 are respectively in different rows. In para. [0034] of the present invention, it states that the pixel electrode of the pixel 340 is positive and the pixel electrode of the pixel 356 is negative. Especially, in fig. 3 of the present invention, the pixel 340 and the pixel 356 are **both driven by the gate line 330**.

The Examiner asserts that Kim's FIGs. 2 and 6a teaches a driving method of claim 1 of the present invention. However, applicant would strongly disagree with said assertion. That is, FIG. 6a of Kim merely depicts the polarities of the pixels for common voltage, **does not disclose relations of pixels and gate lines**, and yet fails to suggest the fact that the same gate line drives the first pixel and another pixel in the adjacent column of the first pixel. Therefore, Kim does not teach or suggest the subject matter of claim 1. Accordingly, claim 1 should be allowable over Kim.

Claims 2-4 depend on independent claim 1, and therefore should be also allowable.

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Applicant has amended claim 5, and the amended independent claim 5 recites “(...) when the prior data line and the recent data line belong to same data line set, the recent data line is used to drive a pixel disposed in a row apart from the pixel driven by the prior data line, wherein the pixel driven by the prior data line and the pixel driven by the recent data line are driven by the same gate line.”

Applicant respectfully submits that the pixel driven by the prior data line and the pixel driven by the recent data line are both driven by the same gate line and the pixels driven by the prior data and the recent data line are respectively in different rows, as supported by claim 5 of the present invention,. On the other hand, it can be observed from Fig. 3 of the present invention, the data line 306 is analogous to the prior data of the claim 5; the data line 309 is analogous to the recent data of the claim 5; the pixel 340 is analogous to the pixel driven by the prior data of the claim 5 and the pixel 356 is analogous to the pixel driven by the recent data of the claim 5. In Fig. 3 of the present invention, the data line 306 and 309 belong to the same data line set, and the pixel 356 is disposed in another row apart from the pixel 340. Especially, in fig. 3 of the present invention, the pixel 340 and the pixel 356 are both driven by the same gate line 330.

The Examiner rejects applicant's claim 5 based on the disclosure of Drawings 3 and 4 equivalent to Kim's FIGs. 6a and 10 (the Drawings 3 and 4 are provided on page 6 of the Office Action). In drawing 4, the Examiner marks “the pixel driven by the prior data line” and “the pixel disposed in a row apart from the pixel driven by the prior data line”. However, in drawing 4, it obviously show that “the pixel driven by the prior data line” and “the pixel disposed in a row apart from the pixel driven by the prior data line” are driven by different gate lines.

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Therefore, Kim does not teach or suggest the subject matter of the amended independent claim 5.

Accordingly, amended independent claim 5 should be allowable over Kim.

Claims 6-7 depend on amended independent claim 5, and therefore should be also allowable.

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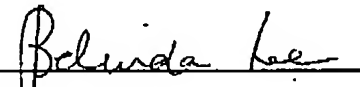
### CONCLUSION

For at least the foregoing reasons, it is believed that the pending claims 1-7 are in proper condition for allowance. If the Examiner believes that a telephone conference would expedite the examination of the above-identified patent application, the Examiner is invited to call the undersigned.

Date :

June 15, 2007

Respectfully Submitted,

  
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